



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Kiyomi HARA et al.

Application No.: 09/987,717

Filed: November 15, 2001

Docket No.: 111101

For: CRC ENCODING CIRCUIT, CRC ENCODING METHOD, DATA SENDING
DEVICE AND DATA RECEIVING DEVICE

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PRELIMINARY AMENDMENT

Director of the U.S. Patent and Trademark Office
Washington, D. C. 20231

Sir:

Prior to initial examination, please amend the above-identified application as follows:

IN THE CLAIMS:

Please replace claims 14-16 as follows:

14. (Amended) The data receiving device as claimed in claim 13, wherein the parallel data is a 4^n -byte parallel data, the predetermined number is 4^{n-m} , and the converting unit converts the remainder portion data into a 4-byte serial data, where n is a natural number and m is a natural number selected from 1 to n .

15. (Amended) The data receiving device as claimed in claim 13, wherein the CRC encoding circuit further comprises:

a detecting unit for detecting the remainder portion data from the last data set of the parallel data;